

25X1A

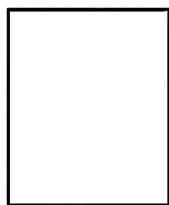
1632Z 13 FEB 65

SECRET

DOL/388

DIRECTOR

25X1A



DOC
OPA
MD
CD
Rb

ROUTINE

FROM: [REDACTED]
TO: [REDACTED]
TOR: 1603Z 13 FEB 65

PK
P/C
C/R

OSA 1-15 ✓

IN 71813

[REDACTED] 25X1A INFO [REDACTED] 25X1A CITE [REDACTED] 0258 25X1A

OXCART

25X1A

TO: [REDACTED]

1. ATTN: C.J.K. THE FOLLOWING TASKS WILL BE ACCOMPLISHED
DURING THE PERIOD 15 FEB TO 8 MAR.

A. TESTS ON IF WILL CONTINUE USING NEW MODIFICATIONS IN-
CORPORATED BY [REDACTED]

25X1A

B. ADDITIONAL PREPARATIONS WILL BE COMPLETED FOR GAS CON-
TAMINANT SENSOR TESTS AND HOT WINDOW TESTS.

C. FOCUSING TESTS ON SYSTEM 1A, 1B AND IF WILL BE STARTED
UPON RECEIPT OF NEW LIGHT SOURCE FOR 100 INCH COLLIMATOR.

2. ADDITIONAL TASKS FOR EACH SYSTEM AS FOLLOWS:

A. SYSTEM 1A.

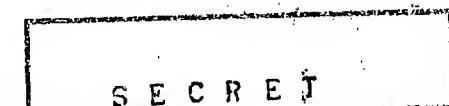
(1) EXAMINE AND CLEAN UP WIRING.

(2) CHECK FOCUS.

(3) V/H SCALING - INCREASE BY 15 PERCENT AS EXPEDIENT

UNTIL FINAL TESTS OF INTERFACE PACKAGE CAN BE DONE.

(4) BANDING - OPERATE WITH INVERTER.



GROUP I
EXCLUDED FROM AUTO-
MATIC DOWNGRADING
AND DECLASSIFICATION

25X1A

[REDACTED] 0258 PAGE -2-

S E C R E T

IN 71813

(5) REMOVE SWITCH PREVIOUSLY ADDED TO PUT V/H INTERFACE IN CLOUD POSITION WHEN SYSTEM IS CAGED.

(6) TIMING DOT (TEAR DROP EFFECT).

(7) RECHECK POWER FACTOR.

(8) REDESIGN, CONSTRUCT AND INCORPORATE NEW BOARD 6TB1.

(9) REDESIGN, CONSTRUCT AND INCORPORATE NEW BOARD 4TB1.

(10) LABEL BOTH FUNCTION AND RATING OF ALL FUSES.

(11) TEST GYRO CALIBRATION, ALL AXES.

(12) DETERMINE WHY EXCESSIVE ROLL EXISTS WHILE TRANSPORT IS IN OPERATION (I.E. CHECK BALANCE OF TAKE-UP AND SUPPLY SPOOLS).

(13) REPLACE BEARINGS IN BOTH SCANNERS.

(14) DESIGN NEW BRACKET FOR HOLDING DATA CHAMBER (TO PREVENT METAL FLAKES FROM FALLING ONTO MATERIAL).

(15) CHECK UNCAGING TIME. CENTURY RECORDING ON ATF-93A (REFERENCE NADIR PULSE NUMBER 293) INDICATES THIS TIME IS APPROXIMATELY SIX SECONDS INSTEAD OF INTENDED EIGHT TO TEN SECONDS).

(16) CHECK TENSION ON SCANNER DRIVE BELTS AND ADJUST BY MEANS OF ECCENTRIC PROVIDED ON PULLEY (PLANT WILL SUPPLY INFORMATION ON PROPER TENSION).

(17) SHORTEN INSTRUMENTATION CABLE TO SAME LENGTH AS SYSTEM 1B AND REROUTE TO CONFORM TO SYSTEM 1B.

B. SYSTEM 1B.

(1) SHORTEN CABLE TO HEADING MIRROR.

(2) ASCERTAIN IF VEHICLE LINER CABLE CLAMPS ARE IN PLACE.

S E C R E T

0258 PAGE -3-

S E C R E T

IN 71813 25X1A

(3) CHECK BANDING - USE INVERTER.

(4) CLEAN UP GTBI AND ATBI BOARDS.

(5) TEST GYRO CALIBRATION, ALL AXES.

(6) REMOVE 6SA2A INTERNAL BUBBLE LEADS.

(7) CHECK POWER FACTOR.

(8) IMPROVE STABILIZATION PERFORMANCE.

(9) DESIGN NEW BRACKET FOR HOLDING DATA CHAMBER (TO
PREVENT METAL FLAKES FROM FALLING ONTO MATERIAL).

(10) INSTRUMENT PLUS 22 VOLTS ON V/H INTERFACE.

(11) REPAIR OR REPLACE HELIUM TANK CONNECTOR.

(12) DETERMINE CAUSE OF FAILURE TO CAGE IN PITCH DURING
TEST FOLLOWING ATF-96B.

(13) CHECK CAUSE OF IMPROPER OPERATION OF AFT SHUTTLE
IMC DURING ATF-96B.

(14) CHECK OPERATION OF SLIT CONTROL SERVO TO DETERMINE
WHETHER SLIT JAWS BEING WIDE OPEN AFTER ATF-94B IS ABNORMAL.

(15) DETERMINE IF DATA CHAMBER OPERATES CORRECTLY ON LATITUDE
AND LONGITUDE PULSE INPUTS. LATITUDE INDICATION WAS INCORRECT
IN TEST 96B, AND POSSIBLE ALSO LONGITUDE INDICATION.

(16) DETERMINE CAUSE OF, AND CORRECT, V/H INTERFACE DRIFT.

(17) CHECK V/H REPEATER SCALING.

(18) BRING PHASING TO WITHIN PLUS OR MINUS 30 MINUTES.

(19) REFOCUS - ADD SHIMS AND RECHECK.

(20) REPLACE UNSERVICEABLE LIGHT SHIELDS WHEN NEW ONES ARRIVE.

(21) REALIGN HEADING SENSOR.

S E C R E T

25X1A

[redacted] 0258 PAGE -4-

S E C R E T

IN 71813

(22) MAKE RECORDING OF ROLL INTEGRATOR DRIFT.

(23) ADJUST BY MEANS OF ECCENTRIC PROVIDED ON PULLEY
(PLANT WILL SUPPLY INFORMATION ON PROPER TENSION).

(24) INSTALL REVISED FAST ERECT PACKAGE; CHECK OPERATIONAL
RANGE, STABILITY AND PERFORMANCE.

C. SYSTEM 1F.

(1) OBTAIN STANDARD TRANSPORT, SYNCHRONIZATION, AND PHASING
RESPONSE RECORDINGS.

(2) OBTAIN STANDARD STABILIZATION RESPONSE RECORDING.

(3) OBTAIN STANDARD ANTI-BACKWARD RESPONSE RECORDING.

(4) REPEAT NO. ONE ABOVE WITH VARIATION OF AC POWER
WITHIN SPECS.

(5) MEASURE POWER AND POWER FACTOR OF SYSTEM IN STANDBY
AND OPERATE.

(6) REPLACE CAGING TIME-DELAY RELAY WITH IMPROVED TYPE
ECN NO. 864.

(7) OBTAIN STANDARD IMC RESPONSE CURVES (COMMAND, NADIR
AND ERROR SIGNALS).

(8) MEASURE TEMPERATURE OF STABILIZATION.

(9) PROVIDE CALIBRATION DATA FOR CENTURY RECORDERS.

(10) CHECK OPERATE AND TOTAL TIME-USE METERS TO SEE IF
FUNCTIONS ARE REVERSED.

(11) ECN NO. 862. ADD CAPACITOR TO IMPROVE FLIM-TO-SCANNER
SYNCHRONIZATION.

S E C R E T

[REDACTED] 0258 PAGE -5-

S E C R E T

IN 71813

25X1A

(12) FUSE D.C. POWER LINE TO INSTRUMENTATION.

(13) PROVIDE CLAMP FOR OTHER METHOD OF ASSURANCE THAT LEADS ON DATA CHAMBER CONNECTORS WILL NOT BE STRAINED.

(14) RECHECK FOCUS FOLLOWING ADDITION OF SHIMS AS PER LOG ENTRY OF 3 FEB 65

(15) ADD POTTING AND CLAMP TO Q-6 CONNECTOR.

END OF MESSAGE

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